

Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application.

1-2. (Cancelled)

3. (Previously presented) An isolated nucleic acid comprising the sequence of SEQ ID NO:115.

4-46. (Cancelled)

47. (Currently Amended) An isolated polynucleotide comprising a nucleic acid sequence at least 95% identical to the sequence of SEQ ID NO: 115, wherein said isolated polynucleotide encodes a toxin that is capable of binding to a sodium channel.

48. (Currently Amended) An isolated polynucleotide comprising a nucleic acid sequence at least ~~90~~ 99% identical to the sequence of SEQ ID NO: 115, wherein said isolated polynucleotide encodes a toxin that is capable of binding to a sodium channel.

49. (Currently Amended) ~~An isolated polynucleotide comprising a nucleic acid sequence at least 85% identical to the sequence of SEQ ID NO: 115~~ selected from the group consisting of: SEQ ID NO: 43, SEQ ID NO: 47, SEQ ID NO: 91, SEQ ID NO: 111, SEQ ID NO: 115, SEQ ID NO: 119, SEQ ID NO: 151 and SEQ ID NO: 195.

50. (Cancelled)

51. (Withdrawn) A recombinant vector comprising the nucleic acid of claim 3.

52. (Withdrawn) A recombinant vector comprising the nucleic acid of claim 3 operatively associated with a regulatory sequence that controls gene expression.
53. (Withdrawn) A genetically engineered host cell comprising the vector of claim 52.
54. (Withdrawn) A method for producing a polypeptide, comprising:
 - (a) culturing the genetically engineered host cell of claim 53 under conditions suitable to produce the polypeptide; and
 - (b) recovering the polypeptide from the cell culture.
55. (Withdrawn) A recombinant vector comprising the polynucleotide of claim 47.
56. (Withdrawn) A recombinant vector comprising the polynucleotide of claim 47 operatively associated with a regulatory sequence that controls gene expression.
57. (Withdrawn) A genetically engineered host cell comprising the vector of claim 56.
58. (Withdrawn) A method for producing a polypeptide, comprising:
 - (a) culturing the genetically engineered host cell of claim 57 under conditions suitable to produce the polypeptide; and
 - (b) recovering the polypeptide from the cell culture.
59. (Withdrawn) A recombinant vector comprising the polynucleotide of claim 48.
60. (Withdrawn) A recombinant vector comprising the polynucleotide of claim 48 operatively associated with a regulatory sequence that controls gene expression.
61. (Withdrawn) A genetically engineered host cell comprising the vector of claim 60.

62. (Withdrawn) A method for producing a polypeptide, comprising:
 - (a) culturing the genetically engineered host cell of claim 61 under conditions suitable to produce the polypeptide; and
 - (b) recovering the polypeptide from the cell culture.
63. (Withdrawn) A recombinant vector comprising the polynucleotide of claim 49.
64. (Withdrawn) A recombinant vector comprising the polynucleotide of claim 49 operatively associated with a regulatory sequence that controls gene expression.
65. (Withdrawn) A genetically engineered host cell comprising the vector of claim 64.
66. (Withdrawn) A method for producing a polypeptide, comprising:
 - (a) culturing the genetically engineered host cell of claim 65 under conditions suitable to produce the polypeptide; and
 - (b) recovering the polypeptide from the cell culture.
- 67.-70. (Cancelled)
71. (New) An isolated polynucleotide acid that encodes SEQ ID NO:116.
72. (New) A recombinant vector comprising the polynucleotide of claim 71.
73. (New) A recombinant vector comprising the polynucleotide of claim 71. operatively associated with a regulatory sequence that controls gene expression.
74. (New) A genetically engineered host cell comprising the vector of claim 73.
75. (New) A method for producing a polypeptide, comprising:

- (a) culturing the genetically engineered host cell of claim 75 under conditions suitable to produce the polypeptide; and
 - (b) recovering the polypeptide from the cell culture.
76. (New) An isolated polynucleotide that encodes the polypeptide selected from the group consisting of: SEQ ID NO: 44, SEQ ID NO: 48, SEQ ID NO: 92, SEQ ID NO: 112, SEQ ID NO: 116, SEQ ID NO: 120, SEQ ID NO: 151 and SEQ ID NO: 195.
77. (New) A recombinant vector comprising the polynucleotide of claim 76.
78. (New) A recombinant vector comprising the polynucleotide of claim 76 operatively associated with a regulatory sequence that controls gene expression.
79. (New) A genetically engineered host cell comprising the vector of claim 78.
80. (New) A method for producing a polypeptide, comprising:
- (a) culturing the genetically engineered host cell of claim 79 under conditions suitable to produce the polypeptide; and
 - (b) recovering the polypeptide from the cell culture.